

# BELL WINS BRIGGS TROPHY

## REDEMPTIONS FOR SENIOR WEEK ARE CASHED IN LOBBY

Jackie Marchand's Copley-Plaza  
Band Will Entertain  
At Bradford

## PICNIC PLACE IS SECRET

Pres. Compton, "Obie" Dennison,  
And Edward Dana Are  
Banquet Guests

Jackie Marchand's orchestra has been selected for this year's Senior Prom, which is to be held from 10 to 4 o'clock on June 7 in the Bradford Hotel, Boston. This band has achieved fame at the Copley-Plaza, and has been employed at Bar Harbor, Maine, for the past four seasons.

Dinner will be served during the evening, but no special intermission will be had for it; tables will be scattered around the edge of the dance floor with individual table service. Illumination for the affair will be provided by candles. The entire entertainment will be furnished by Marchand and the orchestra.

### Redemptions Made Now

Reservations can still be made, although redemptions are due in the Main Lobby. Redemptions for blanket tickets are priced at \$10.00, while individual tickets can be purchased separately. The individual prices follow: Senior Prom, \$8.00; Senior Banquet, \$2.50; Senior Picnic, \$3.00; and Pops Concert, \$1.50. The blanket ticket covers all these events for \$14.00, a saving of \$1.00.

The entire floor of Symphony Hall has been reserved for the Seniors on the night of June 4, no other tickets being available. The program for Tech Night is as follows:

Hungarian March, "Rakoczy," Berlioz.  
Overture to "Le Roi d'Ys," Lale.  
Pavane, Ravel.  
Bacchanale from "Samson and Delilah,"  
Saint-Saens.

Fifth Symphony in E Minor:  
Second Movement, Andante Cantabile,  
Tchaikovsky.  
Overture to "Thannhauser," Wagner.  
"Rhapsody in Blue," Gershwin.  
Piano Solo: Jesus Maria Sanroma.

"New Moon," Selection, Romberg.  
"Tales from the Vienna Woods," Waltz,  
Strauss.  
March, "Wintergreen for President," from  
"Of Thee I Sing," Gershwin.  
STEIN SONG

The Senior Banquet, the annual feast of the graduating class, promises to be a  
(Continued on page four)

## Student Loses Decision To Flowerpot On Beacon Hill

Try as they may, it seems that Institute men cannot avoid the influence of Spring, as the solemn fate of one of the students illustrates. Last Saturday morning at 11.30 o'clock, a happy, carefree Engineer was strolling blithely down Myrtle Street on Beacon Hill, bound for one of Professor Rogers' E22 lectures, when suddenly the lights went out. When the unlucky youth next awoke, he was reclining on the floor of a dilapidated real-estate office, with a circle of admiring observers.

When he investigated the matter as a true scientist should, he learned that a good-sized pot of beautiful flowers, pansies, to be exact, had chosen to depart from a third-story window at the precise moment that he happened along, with dire results for both his cranium and the flowerpot. The ailing student was completely revived without medical treatment, but he missed his beloved English class.

## Francis Walker Succumbs To Spring; Smokes Snipe

With a little coaxing, Nature was made to take several unusual courses yesterday. Spring and final exams, were, as usual, accused as causes.

First, a bicycle defied Newton by appearing suspended between Goodale and Wood this morning. Normally parked outside Walcott, it took to the air with the aid of a thick rope cable attached to chimneys on the roofs. In spite of the sag in the rope, it was at least four stories above ground.

Second, Francis Amasa Walker took to smoking, being observed with a coffin nail between his lips during the lunch period. Other celebrities in the second-floor study of Walker appeared to be munching toothpicks. Closer examination revealed in all cases small pieces of chewing gum holding the decorations on.

## Faculty Members Attend Audition Of Club Records

Glee Club's Phonograph Disks  
Are Heard In Walker  
Trophy Room

Several phonograph records made by the Technology Glee Club were given audition before a gathering of Faculty members in the Trophy Room on the second floor of Walker Memorial yesterday at 5 o'clock. The records, which include several solos by Albert S. Schulerud, G, were also on sale for \$3.00. Among those present at the hearing were Mrs. Karl T. Compton and Miss Mary E. Compton, Professor and Mrs. Philip Franklin, Dr. James L. Tryon, Professor and Mrs. Robert P. Bigelow, Dr. and Mrs. Gerhard Dietrichson, and Professor and Mrs. Frederick K. Morris. The audition was in charge of George W. Falk '32, leader of the Glee Club.

The selections recorded are as follows: John Beele, Fight, Sylvia, Volga Boatman, Plantation, Lullaby, Stein Song, Requiem, and Song of the Jolly Roger. The solos were Dedication, Sacrament, and At Parting.

## TENNIS TEAM ENDS SEASON WITH WIN OVER HOLY CROSS

Triumphs By 7-2 In Final Match  
To Finish Season With  
Seven Victories

## ALSO TOPS NORTHEASTERN

Win Five Straight Before Loss  
To Williams; Dropped  
3 out of ten

After whitewashing Northeastern by a 5-0 score on the home courts last Friday, the varsity tennis team travelled to Worcester on Saturday to absorb a 7-2 beating at the hands of Williams and halt their winning streak at five matches. They made a strong comeback against Holy Cross yesterday afternoon, however, downing the Crusaders by a 7-2 count.

Yesterday's match was the final one of the season, so that the netmen ended their schedule with the excellent record of seven victories and three defeats, one of the best performances in years. Incidentally, one of those three defeats was by a single point.

Hanley and Spragens were the only winners in the match with Williams, but Ross put up a fine battle against Horton, New England champion, and bowed only after three close sets. This match was the only one of the team's three which was at all difficult; the Beavers had little trouble in sweeping through to take the other two.

Technology's freshman tennis team closed its season last Saturday at Concord, N. H., losing to St. Paul's by an 8-1 score.

### Summaries of the matches:

M.I.T. 5, Northeastern 0. Singles—Hanley, M.I.T., defeated Currier 6-0, 6-3; Regan, M.I.T., defeated McKenzie, 6-3, 6-3; Spragens, M.I.T., defeated Pai 6-0, 6-2; Harris, M.I.T., defeated Bates 3-6, 6-3, 6-1. Doubles—Harris and Hanley, M.I.T., defeated Currier and Bates, 7-5, 7-5.

Williams 7, M.I.T. 2. Singles—Horton, Williams, defeated Ross 3-6, 6-2, 6-1; Dewey, Williams, defeated Regan 6-0,

(Continued on page five)

## Tech Janitor Joins Ranks of the Famous of All Time

To the company of Archimedes, who could move the earth had he a place to rest his lever, now comes the man who would, with hose and nozzle, water a large plot of grass all at once. The Institute, true to its traditions, furnishes this remarkable contribution to the "Who's Who" of all time.

He is a Technology janitor. Starting out to water the tract between Walker Memorial and Building 2 this morning, he found that a small leak had so lowered the pressure as to make hand watering impractical. So, resourcefully, he drew out his trusty Bowie, and slashed the pipe in several places. The result was a string of fountains stretching across the lawn, and adequately performing their function.

## Winners Of Boit Prizes Received Awards Saturday

Twenty-Five Dollars In Gold  
Is Given To Each Of  
Ten Winners

Awards were presented to the Boit prize winners last Saturday for essays written as a regular part of the second-year English course. Ten prizes of twenty-five dollars in gold each were given. Judges for the contest were Professor Henry L. Seaver, Mr. Frederick G. Fassett, Jr., and Mr. Howard R. Bartlett.

Those who received the prizes were: Miss Catherine Bates, Charles W. Bechle, M. Jack Bernstein, Gordon K. Burns, Leo A. Carten, Robert L. Kenngott, Stuart T. Martin, Jr., Jerome M. Raphael, Miss Deborah V. Rubenstein, and Eugene L. Shloss, Jr., all of the Class of 1934.

The subjects upon which the winners wrote were as follows:

Catherine Bates—A View of Skepticism. Charles W. Bechle—Here's the World. M. Jack Bernstein—Schopenhauer and Nietzsche.

Gordon K. Burns—The Trivial Solution.

(Continued on page three)

## RUNS CENTURY IN TEN SECONDS FOR INSTITUTE MARK

Beavers Take Fourth Place In  
New England Meet With  
17 Point Total

## KEARNS TAKES TWO-MILE

Sets New Brown Field Record;  
Robertson, Wrigley,  
And Coon Place

Ranking fourth in a field of eighteen colleges competing, the M.I.T. track team came out somewhat under the predictions as judged by experts before the forty-sixth Intercollegiate track meet. The meet took place during the weekend at Brown University at Providence.

Dick Bell lived up to the expectations of the local coaches and sports writers when he took one of his heats in the 100-yard dash in ten flat, thereby setting a new Institute record for the event, and taking the field by some yards in that heat. The previous record in the event was 10 1-5 seconds, set by R. S. Franklin in 1903. Several Technology men have run the distance in this time but no one has ever before broken it in winning a race.

Bell also settled his old score with Wilcox by defeating him in the 100-yard dash, and by winning the Briggs Trophy, the prize for men capturing the 100-yard dash in the New England Intercollegiate. Bell is the third man to acquire this trophy, it being held for the last two years by George Morin, who took it in 1930 for Holy Cross, and by George Troy, Jr., who held it a year for Brown.

### Runs Fast Dash

Bell's time in winning this race was 10 1-5 seconds. The meet record for this event has not been broken since 1916, when Kelly of Holy Cross set up a time of 9 4-5 seconds. Coming second to the Engineer was his arch-rival, Wilcox, of Wesleyan, followed by Wheeler of Springfield, and McManus of Boston College.

In the 220-yard run, after the track had been drenched by a thunderstorm, Bell won his heat with a time of 22 1-5 seconds, followed up by Miller of Williams. But in the final, Wilcox, who had won his heat in the same time, ran a bit faster than the Technology man, and made the distance in 22 2-5 seconds, showing the superiority which had enabled him to wrest the event away from Bell at the Wesleyan meet a week ago.

Engineers were entered in the high hurdles, in the low hurdles, the mile run, the 440-yard dash, the 880-yard run, and the mile, but none of the first four places were made by the Beavers, although

(Continued on page five)

## CLASS NINES TIE IN PLAYOFF GAME, 8-8

Fulfilling predictions of a close game, the Senior and Junior interclass baseball teams battled to an 8-8 tie last Friday before darkness halted the contest. The game was to have decided the interclass championship after the aforementioned teams had finished the regular schedule in a deadlock for the lead.

It is probable that a tie would have been called in any case, for the competing nines were far from being the real class teams; one of the sides was forced to use players in another class. As a result, the regular members of both class nines will be recommended for class numeral awards.

Manager William B. Schneider '32, who did a fine piece of work in managing both the interclass league and the Alligators, expressed the hope that the latter group would reorganize next year, with the ultimate possibility of establishing a real varsity nine at Technology.

# PRESENTS REPORT OF PETITION COMMITTEE

## Student-Faculty Curriculum Committee's Report To Faculty Given

Below is the report of the Student-Faculty Curriculum Committee, which investigated the matter of the Military Science petition that was submitted to the President of the Institute several months ago by a group of students. It is given here in its entirety, exactly as it was presented to the Faculty at their last meeting. The decision of the Faculty, as announced in last Friday's issue of THE TECH, was to continue the status quo of Military Science.

"April 27, 1932.

To the Faculty,

Gentlemen: During the month of February a "petition" reading as follows was presented to President Compton.

### Petition

"In cooperation with President Hoover's efforts to cut national expenditures, and in view of the present economic depression, the following students desire to petition the Faculty of M.I.T. to substitute International Law, Economic History of the U. S., and any other courses they may deem suitable for the now compulsory Military Science."

"The various sheets on which signatures had been obtained bore the names of 403 students. These included a number of men of the third and fourth year, a few graduate students and about twenty aliens, none of whom would be affected, so far as their Institute work is concerned, by such substitution.

"The petition was read by the President at the February meeting of the Faculty, and was by Faculty vote referred to the Student-Faculty Committee for consideration and later report. This Committee now desires to submit its report.

"The intent of the petition was obviously not to secure permission for the signatories to substitute the subjects named for Military Science during the present year, as the exact wording of the petition would indicate, but rather to request that Military Science be removed from the required subjects of instruction at the Institute. The 'petition' did not request that Military Science be made optional.

"An explanatory note, accompanying the 'petition' gave some light on the manner in which signatures were obtained. This note also indicated that the petition had its inception in the so-called Emancipation Club, an organization which had

never received the sanction of the Institute Committee as an undergraduate organization, and which was found upon inquiry to consist of three men, Mr. E. L. Hall, who as chairman, presented the petition to the President with certain veiled threats, and two other students, one of whom later committed suicide.

"With these facts in mind, the Student-Faculty Committee has, as a group and individually, made a study of the student opinion. Many of those whose signatures were appended to the petition have stated that they had no real conviction in the matter and signed merely because they were asked to do so. On the other hand, the Committee has found there was a considerable group of undergraduates who were strongly opposed to the petition, and to any change in the status of Military Science as a part of the curriculum of the Institute.

"The student members of the Committee reported that out of a large number of men interviewed, a small percentage felt that it would be desirable to have Military Science optional during the first two years, but the great majority felt that it was a matter which would be left to the Faculty for decision.

(Continued on page four)

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### "NO RIDERS"

EARLIER in the month President Hoover rebuked Congress in no uncertain terms and was supported by the country at large. Legislative action followed, and recently, under the sponsorship of the Democratic group, there has been a movement to extend credit to the separate states and municipalities so that they may carry on vigorous public works programs and so reduce unemployment and eventually relieve the depression.

The idea of a great public works program has been advanced from several quarters and has received the sanction and support of several groups, among them the A.S.C.E. In presenting the reasons for such a plan, the sponsors have always failed to explain satisfactorily how it is possible to conduct an expansion program, balance a budget, and still not increase taxes.

The idea is a good one, and it has its points, but until we either find a means of building and at the same time balancing the budget or give up the second entirely, it will sound a bit impractical. We prefer no construction and no loans at this time which cannot pay their own ways.

### WHY NOT?

EXAMINATIONS are peculiar things. A man attends classes regularly for a term, does his routine preparation in the usual manner, takes a few scattered hour quizzes, and then at the end of the term the instructor prepares an examination which is supposed to show what the students have learned during the preceding fifteen weeks. Indeed peculiar is it not—one grand quizz, three hours to indicate one's learning, or cramming.

Of course, if one has attended lectures and recitations, he should have an idea of what questions will be asked on the final, and if he has been diligent, he should have little preparation to make. Unfortunately, we are all human and are prone to procrastinate. To learn what has been given on previous examinations, what subjects are likely ones for exams, how the questions have been asked before, all these do wonders in stabilizing a man's preparation for a final.

Realizing this to be true, the fraternities have gathered files of old examinations which are open to the members. Unfortunately for the man who lives at home or in the Dormitories, such files are not available. The questions asked are about the same every year; why not let the students know what are considered the important parts of the courses? Why could not the different departments file copies of examinations and make them available to the students. Why not make old exams open to all? Why not?

### SPRING AGAIN

LAST October 30, summer was just dying in Boston, and along with summer went Tech Show. Spring has come, the trees are green, and Tech Show again finds supporters among a few undergraduates. As these men understand it, Tech Show was not killed last fall, but instead was hypnotized into a coma for a year or more until student interest could be rearoused.

From among those who participated in the last Tech Show there remain a few who might like to work on such a venture next year, and there are several men who are actively interested in the prospect of having a show of some kind or other. Perhaps these will be joined by others, and then there may be enough undergraduate enthusiasm to have a show in the spring.

Tech Show filled a place in the undergraduate life of Technology. It was the one activity of its kind, differing decidedly from Dramashop. The organization, as "Bill" Greene pointed out last fall, had become top-heavy; what was needed was a small, very active, group. Perhaps we shall have such a group and a rejuvenated show next year.



This one is probably too old to stand retelling, but in view of the so-called lack of culture of the Technology man, the Lounger is chancing it this once so the boys will have something to say to the Wellesley girls and so improve the outsider's impressions. Damn' white of me, I'd say.

Professor Seaver, anecdotaler extraordinary, was in the process of telling the Randall section this and that about the idiomatic dialogue. As illustration, he used the story of an actor coming out in his first professional performance with a very small part. The total lineage amounted to "Hark, the sound of a gun." However, he was so haunted with the fear that he would forget even these lines, that he committed them to memory, over and over, until he was sure that the cue would not leave him stage-struck.

The hour approached, the stage was set, the appearance was made. Over and over to himself, "Hark, the sound of a gun. Hark, the sound of a gun. Hark, the sound of a gun." No, there would be no mistake. Upon this mental recital burst the fatal gunshot itself, totally disturbing his equilibrium. Leaping to his feet the well-heeled individual recited, "Hell, what was that?"—And so it appears that even the intelligentsia have compensations, even for a Randall course.

Rumor is rife to the effect that the pride and eminence of the English Department, no less than Professor Rogers himself, is writing self-condemnatory letters to the Registrar.

The circumstance was a recent statistical report of the Institute, showing this and that about nothing very important. The main item with which we are concerned was a single observation which showed that, while the English Department constituted only 3.9 per cent of the personnel, it occupied 4 per cent of the total office space, which doesn't seem quite fair, at least not to the Institute's only columnist.

In recognition of this he proceeded to correspond with the worthy Registrar, saying that he, personally, felt the weight of the implication that the English Department was using too much space, so much so, in fact, that he felt obliged to promise the Registrar that he would diet this summer. About time, too, we'd say.

While strolling over the Wellesley campus, with its budding flowers and buzzing bees, this past weekend, Ye Lounger was surprised to discover the critical Miss C. C. who took the Institute lads for such a royal ride in the past issue of *Voo Doo*, in the company of one of the more prominent members of the Class of '33. On further investigation it developed that she has an exclusive claim on this leader of the Technology elite, who by the way, is still wondering about that letter. Perhaps, just perhaps, a "short life and a mummy one," may be interesting after all.

One other little item was seen recently in the office of one of the more gifted English professors (surely not our own advisor), in the way of notice of a meeting of the B.P.O.E.A.

For the benefit of the uninitiated, this means "Bestial and Pornographic Order of Elephant Admirers." The notice proclaimed that at the next meeting, Past Grand Trunk Green would give a dissertation upon his experiences in the art of elephantine love-making. Well, the Lounger has always felt there was something unusual about this guy, Profanity Bill. Something more than meets the eye, so to speak.

And so the curfew rings the knell of parting day and so forth. The Lounger looks forward, as don't we all, to the forthcoming rest from arduous trips to Wellesley, and all the effluvia which constitute a term at the Institute. In parting, however, he would like to observe that, with the Institute Committee home for the summer, it's just possible that something constructive might be done in the matter of student government, not that it will.

## OPEN FORUM

In opening its columns to letters addressed to the Editor, THE TECH does not guarantee publication of any communication nor does it necessarily endorse the opinions expressed. Letters on subjects of interest to the student body are welcomed if signed. However, if the writer so desires, only the initials will appear on publication.

### Military Science

To the Editor of THE TECH:

After reading the report of the Student-Faculty Curriculum Committee on the Military Science petition as presented for the Faculty's vote, I was surprised to note the accuracy and unbiased candor of the facts which they presented. Mention was made of a number of third- and fourth-year men, graduates, and twenty aliens who were among the 403 signatories; no mention being made of the status of the great majority of those joining in the petition against the compulsory feature of the "M.S." course.

May I quote from their report: "An explanatory note, accompanying the petition, gave some light on the manner in which signatures were obtained. Thin note also indicated that the petition has its inception in the so-called Emancipation Club, an organization which had never received the sanction of the Institute Committee as an undergraduate organization, and which was found upon inquiry

to consist of three men, Mr. E. L. Hall, who as chairman, presented the petition to the President, with veiled threats, and two other students, one of whom later committed suicide.

"With these facts in mind, etc.—" Aside from the fact that the petition did not have its inception in the so-called Emancipation Club, aside from the fact that the so-called Emancipation Club consisted of only five men instead of three, aside from the fact that no "veiled" or direct threats of any sort were made or thought of, aside from the fact that no student who was a member of, or connected with, the Emancipation Club committed suicide, the "facts in mind" seem to be quite correct.

The Emancipation Club, so-called, was formed and the strange name chosen, while the petition was being circulated, when it became evident that there should be a responsible group to present the petition to the President, and also be held for facts concerning the petition. In spite of the fact that the group was organized solely with this purpose in view, it was at no time called into consultation by the committee in charge.

(Continued on page three)

## SALE!! Technology Plates

These plates are seconds, of which there are a limited number

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The price of regular stock has not been reduced

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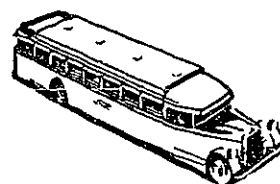
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## EASTERN GREYHOUND Lines



# RECORD NUMBER ENTERED IN INTERCLASS

## 140 MEN ENTERED IN ANNUAL SPRING INTERCLASS MEET

Events To Be Spread Over Two Days; Later In Season Than Usual

### PREDICT NEW RECORDS

With the largest number of men ever to sign up for an interclass track meet, one hundred and forty athletes have signified their intention of entering the annual spring meet between all classes of the Institute. The meet takes place today and Wednesday and will consist of fourteen events.

Generally, the event has come off earlier in the season than this, but this year all the men entering appear to be in the top of condition and Coaches Hedlund and Bowie expect records to be made, not only for the Interclass list but Institute records as well. The coaching staff predict that new marks are apt to be set up in the 100-yard, the 220-yard, the 440-yard, the half-mile, the mile, the two-mile, and the broad jump.

The arrangement of the order of events is as follows: On Tuesday at 4 o'clock four field events will take place, being the hammer throw, the shot put, the javelin throw, and the pole vault. At 5 o'clock, the high hurdles, the 100-yard dash, the

mile run, and the 440-yard dash will be run off. On Wednesday, the 4 o'clock events scheduled will be the broad jump, high jump, and the discus throw; the 5 o'clock track events will be in the form of the low hurdles, the 880-yard dash, the 220-yard dash, and the two-mile run.

An additional feature of Wednesday afternoon's program will be the Interfraternity relay race. A good number of varsity men are competing on the fraternity teams, and the race should be close and interesting. Although nothing definite is known, it is possible that a real team representing the Dormitories will compete against a picked fraternity group.

### Toronto

This is what a professor of mathematics at the University of Toronto said in a recent address, "Make your pupils Mathematics-conscious so that instead of believing Mathematics a wilderness of horrors and nightmares, they should consider that it is a fairland of gay flowers and gurgling brooks." Imagine!

## OPEN FORUM

(Continued from page two)

For the benefit of the committee facts concerning the date and manner of presenting the petition may be found in the *Boston Herald of Sunday*, January 10, 1932. A letter probably in President Compton's files is the only communication of any sort by the sponsors of the petition to those in authority.

In the light of the statements made in the committee report to the Faculty, I can scarcely blame them for retaining the *status quo* of compulsory R.O.T.C.

Sincerely,

(Signed) L. E. JONES '32.

### Bartering at Beloit

Meat, potatoes, eggs, fruit, chickens and vegetables are acceptable at Beloit College in lieu of registration fees. The Faculty announcement of the return to barter explained that it was one measure to combat the dole.

## WINNERS OF BOIT PRIZES ANNOUNCED

(Continued from page one)

Leo A. Carten—Through Science to Religion.

Robert L. Kenngott—A Short Essay on the Nature of Truth.

Stuart T. Martin, Jr.—A Purpose in Life.

Jerome M. Raphael—A Reaction to Browning's *Caliban Upon Setebos*.

Deborah V. Rubenstein—What I Know and What I Believe.

Eugene L. Shloss, Jr.—Choosing a Philosophy.

The terms of the will of the late Robert A. Boit leave a sum of \$5,000 to the Institute, the interest of which is to be used in annual prizes "to stimulate the interest in the best use of the English language."

When you want a good meal

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## IMPORTANT ANNOUNCEMENT

Those who appreciate living within five minutes walk of their classroom, in thoroughly modern pleasant suites overlooking beautiful Charles River, and are willing to cooperate in maintaining a fine quiet atmosphere, will find a real welcome at the Riverside Apartment Hotel.

Members of the Faculty, graduate and certain other students of M. I. T., should be interested in the many advantages now offered by the Riverside. A public study room which is comfortable and quiet has been provided. Rates have been reduced, and the service improved. Non-housekeeping rooms with full maid service, or one to five-room furnished or unfurnished suites are available. Garage or free parking space may be used. Your inspection is invited at the

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Wherever you buy Chesterfields, you get them  
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## The Tech Presents Report Of Student Faculty Committee

### Student-Faculty Curriculum Committee's Report To Faculty Given

(Continued from page one)

"The Committee feels that it is one of the duties of an institution of higher education to train citizens for leadership whether in peace conditions or in war or other emergency, and aside from the question of whether military training is irksome or uninteresting, it is a duty and an obligation on all students who are citizens to undergo a certain amount of military training as a preparation for such leadership. The majority of undergraduates seem to agree in this opinion.

"It was unanimously agreed by the Committee that military drill, as given to freshmen, is valuable in inculcating the habit of obedience to authority, in quickening the response to command, in physical training in the open air, in improving the physical set-up of the men, and in training them how to walk and to maintain a better general bearing.

"The criticism has been made by some upperclassmen that some of the student officers who have been assigned to duty in drill and command have not exhibited the qualities which should be embodied in a commanding officer. The Committee finds that this condition has been recognized by the Military Science Department of the Institute and that in the past two years steps have been taken to give these cadet officers more instruction in these respects.

"Another criticism, made largely by upperclassmen, was that the instruction in Military Science in the second year is too elementary, fails to hold the interest of the student and that it does not present clearly the fact that much of the information in the course could be quite as useful in civil life as in military operations. The Committee has found that this has been the case in past years, but that an effort is now being made to make the work of the second year course of greater value as a part of the general equipment of the student, useful in civil as well as in military life. The interest of and value to students as a whole would be increased if the work were of somewhat more advanced character and more adapted to the stage to which the student has progressed in his professional training. The Committee believes that further improvement in this respect is desirable, and finds that this belief is shared by the Military Science Department.

"It is the opinion of the Committee that the above objectives would be attained in large degree if it were possible to retain the services of competent officers who are also good instructors beyond the time limits of the ordinary term of service. Inquiry has shown that such extension of time is not impossible under the present Army regulations. The Committee therefore feels that an effort should be made by the Administrative officers of the Institute, in cooperation with the Department of Military Science to secure the detail of officers with professional and teaching

## Ultra-Violet Rays Used To Make Airplane Dials Visible At Night

### Eliminates Stray Light Effect And Makes Flying Safer

"The growing practice of flying in all kinds of weather makes it of prime importance that the pilot have maximum visibility of the ground and in every direction around his ship, so that the use of invisible ultra-violet rays, or 'black light,' to illuminate the instrument board, entirely removes all stray artificial light which would shine in the pilot's eyes and at the same time makes the radium dial markings stand out in sharp image and many times their original brilliancy," says J. H. Kurlander, engineer of note.

Today, transport pilots are placing more and more responsibility upon the performance of their instruments for successful navigation. To be able to read meters, indicators, and compasses quickly and accurately is of great importance to the safety and ease of night flying. The present method of illuminating dashboards with artificial light creates disturbing stray light which often shines into the eyes of the pilot and interferes with this vision of the instruments.

Stray light coming from the dashboards in the cockpits of small planes and in the pilot compartments of the larger ships is particularly objectionable when landing, as it makes it difficult to distinguish airport signal lights. It is similar to the condition which prevails in the driver's seat of an automobile when the dash lights are too bright. Invisible ultra-violet rays are entirely free from all specular reflections, serving only to emphasize the glow of the radium dial markings.

The principle of this new lighting is

based on the fluorescent quality of radium paint and the characteristic of ultra-violet rays to make certain substances glow with greater brilliancy. In its present composition, radium paint fluoresces at maximum brightness only in total darkness. This feature of ultra-violet in increasing the fluorescence of radium will remove a bugbear of reading dials during the dawn and dusk of day.

The radium dials on an airplane instrument board stand out like a sore thumb when irradiated with ultra-violet, and from the moment daylight becomes so weak as to make visibility of the instrument board difficult, the increased fluorescence will assure good visibility even before the arrival of contrast-darkness.

The use of invisible ultra-violet rays in increasing sharpness of the actual dial markings introduces another factor in favor of accuracy. Radium paint itself does not give a perfectly sharp line and the numerals are blurred around the edges. Ultra-violet rays directed onto the radium dials remove this fuzzy outline, resulting in sharp numerals and scale divisions.

#### Method of Installation

Ultra-violet rays for airplane dashboard lighting are produced by merely screening out the visible light of an ordinary automobile headlight lamp. Special glass lenses placed over the mouth of a small reflector allows only the ultra-violet to pass through.

In big tri-motor ships the lights may be recessed in the ceiling above the pilot's head or in the walls on either side of the instrument board. In planes with open cockpits the invisible light sources are installed underneath the cowl alongside the dashboard.

## ANNOUNCE PROGRAM FOR POPS CONCERT

(Continued from page one)

fitting climax for this year's class. Dr. Karl T. Compton has consented to be toastmaster at the dinner. Orville "Obie" B. Dennison '11 will lead the songs and dances, and Edward H. Dana, president of the Boston Elevated Railway Company, will be guest speaker. Mr. Dana has spoken at a number of graduating exercises of Lowell Institute, and has always been a favorite on any program.

Because last year's Senior Picnic was raided by the "cops" who had learned that it would be a wet party, the Committee has refused to divulge the destination of the picnickers.

"1. That no change be made in the present status of Military Science as a part of the first two years of the Institute curriculum, and

"2. That the petition submitted for the consideration of the Faculty be not granted. Signed,

N. O. Paquette	K. D. Fernstrom
A. A. Ellis	W. M. Fife
S. R. Fleming	C. E. Fuller
B. Whitton	J. W. Phelan
W. B. Huston	J. A. Stratton
L. W. Moore	S. C. Prescott
H. L. Reichert, Jr.	

"As appendices to this report the Committee submits—

(Continued on page five)

## COOK IS ELECTED CAPTAIN OF CREW

### Bird Is Named Manager Of 1933 Crew; Tower Will Lead 150-Pound Boat

Philip S. Cook '33 of Boston will captain the 1933 Technology varsity crew, it was announced at the annual crew banquet which was held last Saturday night at the Engineers Club. Cook, who succeeds John Lawrence '32, stroked the varsity boat in all but one race this season, while Lawrence was stroking the junior varsity.

Walter W. Bird, Jr. '34 was selected as manager, succeeding W. Clinton Backus '33, and Arthur M. King and Philip H. Johnson, Jr., both of the Class of '35, were named as assistants. Alden E. Tower '33 was elected to lead next year's 150-pound crew.

Professor Robert H. Richards, former head of Course III, gave an interesting talk on the early days of rowing at Technology, after which Dr. Allan W. Rowe '01 made the awards and announced the elections.

Awards were as follows: Captain John Lawrence received the "straight T"; the "T with crossed oars" was presented to all regulars on the varsity, junior varsity and 150-pound crews, while the first freshman crew received class numerals.

At a recent meeting of the Tech Boat Club, eight new members were initiated and new officers were announced. Next year's Commodore will be Roland D. Glenn '33, with Frank K. MacMahon '33 as Vice-Commodore and William W. Pleasants '33 as Secretary-Treasurer.

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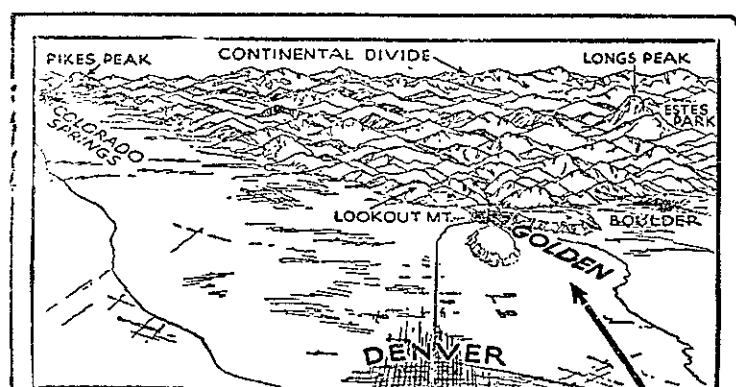


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## Engineering Summer School of the Rockies

Students of Engineering who wish to make up work or secure additional credit during the summer are offered an unusual opportunity to combine work and recreation in Golden, the Gateway of the Rockies.

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CAMBRIDGE



## Technology Wins Fourth Place In Intercollegiates

### 17 Points Give Institute Rise From Eighth Place Of Last Year

(Continued from page one)

Captain Jewett placed fifth in the 440-yard dash.

Kearns took first place in the two-mile run, making the first mile and a half along with the rest of the field and letting loose with all his energy for the remainder, finishing up 70 yards ahead of the rest and setting up a time of 9 min., 44 2-5 sec., although 16 seconds behind the New England mark, it lowered the Brown track record by 6 seconds. There is no doubt that the time would have been shortened considerably more had not the track been heavy after the rain.

Walter Wrigley placed fourth in the broad jump, bettering his mark in the Friday qualifying round by 2 1-2 inches, and scoring one point for the Institute team. His distance was 22 ft., 4 3-4 in., which was nearly nine inches short of that of McNally of Holy Cross, who jumped 23 ft., 1 5-8 in.

In the high jump, Coon tied with two other men for second place with a measured height of 5 ft., 10 3-8 in., placing second to Urner (Williams), who cleared 6 ft., 1 5-8 in.

Robertson, javelin thrower for Technology, did a real man's work in placing and winning a point for the Institute. Despite his crippled arm, he was able to throw the stick 170 ft. 5 in., and cop fourth place. The event was won by Footrick of Springfield, who hurled the javelin 199 feet, making a new New England record which Robertson had held, and a new record for that event for the Brown field.

The meet scored 17 points for the Institute and raised it from eighth place of last year to fourth place this time, increasing the number of points from 8 2-3. Technology has won the New England Intercollegiate championship seven times, taking it in 1894, 1917, 1918, 1919, 1920, 1921, and 1926. Last year the meet was captured by the University of New Hampshire.

Following are the summaries:

**100-Yard Dash**  
Final—Won by Bell (MIT) (second, Wilcox (Wesleyan); third, Wheeler (Springfield); fourth, McManus (Boston College). Time—10 1-5s.

**220-Yard Dash**  
Semi-finals—First heat: Won by Richard (Wesleyan); second, Knox (Bates). Time—22 4-5s. Second heat: Won by Wilcox (Wesleyan); second, Haight (Springfield). Time—22 1-5s. Third heat—Won by Bell (MIT) (second, Miller (Williams). Time—22 1-5s.

Final—Won by Wilcox (Wesleyan); second, Bell (MIT) (third, Miller (Williams); fourth, Haight (Springfield). Time—22 2-5s.

**120-Yard High Hurdles**  
Final—Won by Whitehouse (NH); second, McLaughlin (Bowdoin); third, Allen (Bowdoin); fourth, Shaw (Springfield). Time—15 3-5s.

**220-Yard Low Hurdles**  
Semi-final—First heat: Won by Whitehouse (NH); second, Stanwood (Bowdoin); third, Florjng (Maine). Time—25 4-5s. Second heat: Won by McLaughlin (Bowdoin); second, Allen (Bowdoin); third, MacDonnell (Holy Cross). Time—26s.

Final—Won by Florjng (Maine); second, McLaughlin (Bowdoin); third, Allen (Bowdoin); fourth, Stanwood (Bowdoin). Time—24 2-5s. (New Brown field record.)

**440-Yard Dash**  
Won by Adams (Bates); second, McCafferty (Holy Cross); third, Smith (Boston College); fourth, Hollard (Holy Cross). Time—48 4-5s. (New Brown field record.)

**880-Yard Run**  
Won by Jordan (Boston College); second, Noyes (NH); third, Daley (Boston College); fourth, Gueno (Holy Cross). Time—1m. 37 1-5s. (New Brown field record.)

**One-Mile Run**  
Won by Moynahan (Boston College); second, Sweet (Amherst); third, Jellison (Bates); fourth, Usher (Bowdoin). Time—1m. 23s. (New Brown field record.)

**Two-Mile Run**  
Won by Kearns (MIT) second, Demoulpied (NH); third, Lavender (Bowdoin); fourth, Whitten (Bates). Time—9m. 44 2-5s. (New Brown field record.)

**Pole Vault**  
Tie for first between Buonanno (Brown) and L. C. Brown (Brown), 12ft. 4 1-in.; tie for third between Webb (Maine) and Hathaway (Maine), 12ft.

**Running Broad Jump**  
Won by McNally (Holy Cross), 23ft. 1 5-8-in.; second, Sackett (Tufts), 23ft.; third, Meyer (Holy Cross), 22ft. 5 7-8-in.; fourth, Wrigley (MIT), 22ft. 4 3-4-in.

**16-Pound Shotput**  
Won by Gilbane (Brown), 49ft. 10 1-4-in. (new N.E. intercollegiate and Brown field record); second, Coning (Boston College), 46ft. 1 1-2 in.; third, Milvrandt (Northeastern), 46ft.; fourth, R. K. Brown (Brown), 45ft. 1 1-2-in.

**High Jump**  
Won by Urner (Williams), 6ft. 1 5-8-in. (new N.E. intercollegiate record; tie for second among Robinson (Colby), Coon (MIT), and Smith (Springfield), 5ft. 10 3-8-in.

**16-Pound Hammer Throw**  
Won by Galbraith (Bowdoin), 159ft. 7 7-8-in. (new Brown field record); second, Perkins (Colby), 138ft. 3-5-in.; third, FAVOR (Maine), 152ft. 8 1-8-in.; fourth, Narcessian (RI State), 151ft. 1-2-in.

**Discus Throw**  
Won by Rymph (Northeastern), 142ft. 2-3-in. (new Brown field record); second, Couhig (Boston College), 138ft. 9 3-4-in.; third, Pickett (Maine), 134ft. 11 1-8-in.; fourth, T. Gilbane (Brown), 134ft. 3 3-4-in.

**Javelin Throw**  
Won by Footrick (Springfield), 199ft. (new N.E. intercollegiate and Brown field record); second, L. C. Brown (Brown), 189ft. 3-in.; third, Stinchison (Colby), 184ft. 6 1-2-in.; fourth, Robertson (MIT), 179ft. 5-in.

**Freshmen Medley Relay**  
(Not Title Event)

Won by Brown (Spinney, Tanner, Whitehead and Lee); second, Maine (Cole, Aulaney, Black and Higgins); third, Bowdoin (Abelon, Fox, Adams and Hurley); fourth, Rhode Island State (Kelley, Litterick, Henshaw and Hilton); fifth, Wesleyan (Howard, Buffett, and pagon and Bromage). Time—3m. 38 3-5s.

## Netmen End Season With Three Losses Against Seven Wins

### Defeat Holy Cross Squad In Last Match; Bow To Williams 7-2

(Continued from page one)

12-10; Hanley, M.I.T., defeated Davis 6-3, 4-6, 6-2; Allen, Williams, defeated Feustel 4-6, 6-3, 6-3; Spragens, M.I.T., defeated Beal 6-0, 6-3; Twichell, Williams, defeated Harris 13-15, 6-3, 6-2. Doubles—Dewey and Horton, Williams, defeated Ross and Regan 6-0, 6-2; Allen and Davis, Williams, defeated Hanley and Harris 7-5, 6-4; Beal and Twichell, Williams, defeated Feustel and Lammers 6-2, 7-5.

M.I.T. 7, Holy Cross 2. Koerner, Ross, Hanley, Regan, and Spragens won singles matches; Eder lost. Ross-Regan and Harris-Lammers won in doubles; Koerner-Hanley lost.

## PRESENTS REPORT OF PETITION COMMITTEE

(Continued from page four)

"1. A minute on the Military Training at M.I.T. in which Dean Lobdell has prepared a complete and authentic history of military training at the Institute, and which will be found of great value.

"2. A copy of the Report on Military Training in our Schools and Colleges, by Orvel Johnson, R.O.T.C. Assn., of the United States.

"3. A Study of the Educational Value of Military Instruction in Universities and Colleges, by Ralph Chesney Bishop, U. S. Dept. of the Interior.

"4. Schedules of Instruction in Military Science for both basic and R.O.T.C. courses at the Institute for the year 1931-32.

"5. The original petition sponsored by the so-called Emancipation Club, with its complete list of signatures."

## As We See the MOVIES

LOEW'S STATE  
"Scarface"

Coming (singularly) after a certain noted gangster's confinement in a Federal prison, Howard Hughes' "Scarface" appears at the State. This picture takes its place as a fast-moving tale of the underworld and the rackets; especially the booze racket. Paul Muni takes the part of Tony Carmonti, rising young beer baron, who finally comes to his end as a result of a totally unethical shooting of his sister's husband, his own lieutenant. The scenario follows the original novel fairly well, although the end and the beginning are different, the end showing in the picture the execution of Carmonti rather than his unexpected encounter and death with a police squad sent out to capture him as told in the book. The acting of Muni is excellent, and the picture resounds with the roar of automatics and machine guns. In addition to the feature picture, are a news reel, a Charley Chase comedy, and other short subjects.

## TECH SHOW

While Tech Show passed out of existence last fall, men who may be interested in some activity of a similar nature next year should see Malvin J. Mayer '33 or Robert M. Rossi '33.

## Book Reviews

Last and First Men

W. Olaf Stapledon, Jonathon Cape and Harrison Smith, Inc., 1931.

Let me quote from the foreword to convey the spirit of the book:

"This book has two authors, one contemporary with its reader, the other an inhabitant of an age which they would call the distant future. The brain that conceives and writes these sentences lives in the time of Einstein. Yet I, the true inspirer of this book, I who have begotten it upon that brain, I who influence the primitive being's conception, inhabit an age which, for Einstein, lies in the very remote future."

In other words, the book is an attempt to predict the future as far ahead as two billion years from now, at which time the race of man will have disappeared from the solar system, according to the author.

With so much time to cover, and only three hundred and seventy pages to do it in, the book necessarily progresses swiftly. At times it is a mere outline, and the ages are traced in terms of civilizations. At other times, to maintain interest, the book degenerates to an amazing-stories account of the world to be.

With keen appreciation of the modern status of the world, the author first depicts it as thrown into a series of fierce struggles, which undermine this civilization. Among these are an Anglo-French conflict, a Russo-German war, a Euro-American, all of which tend to bring America's industrial leadership to the fore. The greatest conflict of all is a Sino-American war, culminating in a first world state. During these struggles, the spirit of internationalism, unselfish patriotism, spreads. But when the world state is reached, the mind of man is already seriously undermined. The masses composing the orderly system rise from their Socialistic, yet basically individualistic status, and in an orgy of poison gases, microbes, and "American Madness," wipe out each other, so that only the most remote peoples remain in a world devoid of science and culture.

The next civilization rises in Patagonia. This is the first of a long line of seventeen, all of which take normal courses. During these, man is forced to desert the earth as his habitation, and go to Venus. Advanced civilization makes possible the essential adaptation that takes place there. Then Man is forced to Jupiter, where he is at last wiped out when the sun is influenced radically by a new stellar body.

The book is characterized by keen appraisal of human nature and ability. One becomes pessimistic with the realization that man is in a savage state, and that the ideal type of mind, a thoroughly dispassionate one, will probably not be attained for some centuries. One also realizes that even the highest type of intelligence today is totally inadequate to face the vital problems of our existence.

In spite of the fact that the author tends to romanticizing with invasions from Mars, flying men, and Giant Brains, I felt that the book was worthwhile because it gave me a broader viewpoint on modern situations. However, it does not deserve more than casual scanning, especially when time is at a premium. H. S. M.

## University of Denver

Twelve students compose the dental school at University of Denver. All twelve are quite prejudiced against university officials because first, the dental school was omitted from the student directory and next, its members didn't receive any activities list for the university yearbook.

## The American • College Editor

Fact and Fancy  
(Bradley Tech)

Since the earliest days, man has been accustomed to blame The Gods for everything, either good or bad, which he could not himself satisfactorily explain. As man has added to his storehouse of facts, the burdens of the Gods have gradually grown lighter. Atlas, who carried the world on his shoulders for so many centuries, was the first to lose his job. A great while from now it is possible that Mars, the God of War, Ceres, Goddess of Agriculture, Venus, Goddess of Love, and the Three Fates will also be among the unemployed, when man may have learned to manage his own affairs. There will remain only the Universal God, whose existence the most erudite acknowledge.

Free play of the fancy should not be decried. Man should treasure his ability to advance beyond the known facts and (Continued on page six)

## McHUGH TOPS DEGIVE FOR EMERSON TROPHY

John J. McHugh, Unc., won the Emerson Trophy, emblematic of the individual squash championship among Technology students, by defeating Lawrence deGive '33 in straight games, 15-4, 15-10, 15-9. The match was very interesting and closer than the score indicates.

Charles J. Emerson '04, donor of the trophy, presented cups to both the contestants, who were the survivors of a field of eighty entries. In addition, the names of the two men will be inscribed on the large Emerson Trophy cup which stands in the trophy room of Walker Memorial.

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Pay you a salary of \$75 per month. Pay your living expenses. Supply you (free, of course) with snappy, tailor-made, sky blue uniforms.

Grant you the social and military privileges of potential officers. Pay your traveling expenses from your home to the new field at San Antonio. 700 men are taken in each year. The course requires a year to complete and includes over 200 hours of solo flying. Those who stay the full year are commissioned as lieutenants in the Air Corps Reserve.

If you don't like the training you may resign at any time. For example:

Should you stay three months and then resign you will receive \$225 cash, your round trip expenses from your home to San Antonio, and about 50 hours of solo flying.

The service and associations of the Air Corps gives its members a very real distinction and a very noticeable breadth and poise.

If you have applied and are ready to go, we have compiled information and tips giving you inside angles and dope that will be invaluable when you arrive at the field. If you haven't applied yet then by all means get our information. We tell you the entrance procedure and certain twists that make your getting in easier and quicker. The information written by men who have been through the school covers all points from beginning to end that you are interested in knowing. This information cannot be obtained elsewhere; it is complete. Nothing else to buy. The price is \$1 or sent C.O.D. if you desire.

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## OFFICIAL BULLETINS OF GENERAL INTEREST

Physics and Physical Chemistry      Massachusetts Institute of Technology  
Wednesday, May 25, 4.30 p.m., New Lecture Hall, Room 6-120  
George Eastman Research Laboratory

Seminar directed by Professor Linus Pauling: "The Magnetic Moments of Molecules and Complex Ions."

### "Open Country" Boys Less Expensive Than City-Bred Ones, Answers Show

"How many dates do you have in a week? What is the average cost of one date? What percentage of your expenses at the University do you earn? What size community do you come from?"

Five hundred and sixty-seven from the School of Mines, of whom 423 were men, answered these and numerous other questions in reply to questionnaires sent out by two local students, and definitely established the fact that the small-town boy at college doesn't spend as much for amusement as his big-city brothers, but that he spends considerably more than an "ed" from the "open country."

In the first place, the eds and co-eds were rated in groups according to the population of their old home towns and in addition there was an "open country" classification. The other categories were: under 2,500; 2,500 to 25,000; 25,000 to 100,000; and over 100,000. The "candidates" were rather evenly distributed through the groups, with the minority of both men and women coming from the "open country" gang, and a majority of the men from the city group.

The average college woman spends less for her food than the average male student, but again the low mark goes to the boys from the open country. Their weekly average for "eats" is 16 per cent less than that of the lowest co-ed group; the average is 73 cents per day for food. Average room rent is about the same for all the classes.

An average ed has one and one-quarter dates per week, mathematically speaking; the average co-ed has about 2.7 dates in the same time. This would make one female student account for the dates of about two and one-fourth men. The "Scotch" here again is attributed to the open country boy; his average of \$1.05 per date is 21 cents less than that of the small-town boy, and 60 cents less than that of the "city" student. The "dating instinct" of the co-eds is carried farthest in the girl from the larger city, who averages 3.3 dates per week; she is half a date ahead of the nearest competitor, the small-town girl, who has only 2.8 dates per week. And again the open country contingent lags with a mere 2.4 engagements per seven days.

Coincidental with the higher number of dates, the city girl's education costs nearly \$100 more per school year than that of any other sort of student. Her expenses

### FRENCH INSTRUCTOR WRITES SECOND BOOK

Following his first book entitled "Poems of America," Mr. J. H. Pillionnel, a French instructor at the Institute, has brought out another book of poems, "Les Graminees." The book is entirely in French and was printed in Paris. It is being used as a reader in his classes.

The *Harvard Crimson*, in a review of the book, declares it to be an improvement over his first. A number of the settings for the poems are familiar Boston scenes. One in particular refers to the small graveyard at the corner of Park and Tremont Streets in the heart of Boston.

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ALL KINDS**

### The American College Editor

(Continued from page five)

to select by means of his creative imagination a solution of his problem. For the student in any field there is no intellectual exercise more pleasing. To it we owe our art, our thought, our scientific discoveries.

#### Simply This

A glance at the editorial pages of college publications reveals an ever-growing interest in the Prohibition problem. Some journals predict an overwhelming majority to the presidential candidate who firmly stands for the repeal of the troublesome Eighteenth Amendment. Whatever the ramifications of the respective opinions, they are almost unanimously opposed to the continuance of the present farce or law-enforcement.

This undergraduate interest which eagerly follows every new development in the situation is entirely natural, for the college student more than any other individual, has had an opportunity of seeing the forces in opposition to the law at work. In many cases, he knows more about manufacture, sale and transportation of liquor than do the Prohibition agents. To him there is no such thing as effective enforcement of the Prohibition laws. He knows that most of the claims of the dry-

law supporters are false. Prohibition to him is a joke.

Nevertheless, the organs of student opinion clamor for the repeal of this "obnoxious amendment." Why? First of all, because the student is tired of drinking bad liquor. Second, because he believes that the general disrespect which this law evokes weakens the structure of law enforcement. Finally, he dislikes the distasteful social contacts which are often forced upon him through his association with "beer-joints" and "speakeasies."

The college man demands good beer and wine, not because he has any desire to get drunk, for that has ever been possible — on a college campus there has never been such a thing as Prohibition. To him, beer and wine are necessary appendages to conviviality and good-fellowship. Then too, because he is almost invariably an important witness of existing conditions, and who can say that in his neutrality that he is not a better judge?

— *The Pennsylvanian*.

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# DO YOU INHALE?



A frank discussion  
at last on a subject that has  
long been "taboo"



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